B11 Conclude

decreased. Compound 3 remarkably increased the amount of secretion in the above system.--

IN THE CLAIMS:

Cancel claims 1-16.

Add the following new claims:

B12

--17. (new) A method of controlling granule secretion comprising performing a treatment to increase or decrease a calcium binding form of at least one of a peptide (i) and a peptide (ii) on a cell line having granule secretion capability, thereby to increase or decrease granule secretion from the cell line, wherein peptide (i) consists of amino acids 1-93 of SEQ ID NO: 3 and peptide (ii) consists of amino acids 1-114 of SEQ ID NO:4.

--18. (new) The method according to claim 17, wherein the cell line having granule secretion capability is neutrophils or neutrophil-like cultured cells originating from a warm-blooded animal, said neutrophil-like culture cells containing at least one type of granule included in neutrophils.

--19. (new) A method of detecting a target substance inhibiting or activating a granule secretion reaction in a cell line, comprising:

A) increasing a calcium binding form of at least one of a peptide (i) and a peptide (ii) in cell lines having granule secretion capability, wherein peptide (i) consists of amino acids

1-93 of SEQ ID NO: 3 and peptide (ii) consists of amino acids 1-114 of SEQ ID NO: 4;

B) causing a sample which is suspected to contain said target substance to contact with the cell lines having granule secretion capability after or during step A);

C) incubating a mixture resulting after step A and step B are carried out; and

B12 Cont.

D) detecting a material secreted from the cell line.

--20. (new) The method according to claim 19, wherein step A) comprises successively carrying out the following steps a) and b):

a) changing the cell line having granule secreting capability into a permeabilized cell; and

b) simultaneously or successively adding at least one of peptide (i) and peptide (ii) and a water-soluble calcium compound to the cell line and incubating the cell line.

--21. (new) The method according to claim 19, wherein the cell line having granule secretion capability is neutrophils or neutrophil-like cultured cells originating from a warm-blooded animal, said neutrophil-like culture cells containing at least one type of granule included in neutrophils.

--22. (new) The method according to claim 20, wherein the water-soluble calcium compound comprises calcium ions at a final concentration of 0.01-10 μM.

--23. (new) The method according to claim 19, wherein the method of detection is a quantitative determination method.

--24. (new) The method according to claim 19, wherein the method of detection is a screening method.

B12 Cont.

--25. (new) A method of obtaining a candidate substance for controlling intimal injury of blood vessels comprising acquiring the candidate substance for controlling intimal injury of blood vessels by screening for a target substance inhibiting granule secretion reaction by the method of claim 24.

--26. (new) The method according to claim 20, wherein the cell line having granule secretion capability is neutrophils or neutrophil-like cultured cells originating from a warm-blooded animal, said neutrophil-like culture cells containing at least one type of granule included in neutrophils.

--27. (new) A method of detecting a target substance inhibiting or activating a granule secretion reaction, comprising the steps of:

A) causing a sample which is suspected to contain said target substance to contact with the cell lines having granule secretion capability;

B) increasing a calcium binding form of at least one of a peptide (i) and a peptide (ii) in cell lines having granule secretion capability, wherein peptide (i) consists of amino acids

1-93 of SEQ ID NO: 3 and peptide (ii) consists of amino acids 1-114 of SEQ ID NO: 4;

C) incubating a mixture resulting after step A and step B are carried out; and

D) detecting a material secreted from the cell line.

--28. (new) The method according to claim 27, wherein step B) comprises successively carrying out the following steps a) and b):

a) converting the cell line having granule secreting capability into a permeabilized cell line; and

b) simultaneously or successively adding peptide (i) and/or peptide (ii) and a water-soluble calcium compound to the cell line and incubating the cell line.

--29. (new) The method according to claim 27, wherein the cell line having granule secretion capability is neutrophils or neutrophil-like cultured cells originating from a warm-blooded animal, said neutrophil-like culture cells containing at least one type of granule included in neutrophils.

--30. (new) The method according to claim 28, wherein the water-soluble calcium ions are at a final concentration of 0.01-10 μM.